

AN - 1985-287885 [25]  
 AP - JP19840054862 19840322  
 CPY - KYOW  
 DC - B02 D16  
 FS - CPI  
 IC - C12P17/06 ; C12R1/62  
 MC - B06-A01 D05-C  
 M2 - [01] D013 D022 D023 D120 G013 G100 H4 H402 H442 H541 H8 J5 J521 M1  
 M113 M210 M211 M272 M280 M281 M320 M412 M511 M520 M531 M540 M720 M903  
 N132 N425 N512 N513 Q233  
 PA - (KYOW) KYOWA HAKKO KOGYO KK  
 PN - JP60199396 A 19851008 DW198546 005pp  
 PR - JP19840054862 19840322  
 XA - C1985-124869

XIC - C12P-017/06 ; C12R-001/62

AB - J60199396 Fermentative prepn. of daidzein (I) and tectorigenin (II) comprises culturing microorganisms to produce and isolate (I) and (II) from the culture fluid.

- (III) can be cultured with usual culture fluid for actinomycetes, contg. suitable C-source, N-source, inorganic salts, etc.. Carbohydrates (glucose, fructose, sucrose, starch, dextrin, mannose, maltose, molasses), organic acids (citric acid, malic acid, acetic acid, fumaric acid), alcohols (methanol, ethanol), hydrocarbons (methane, ethane, propane, n-paraffine), amino acids, glycerol etc. can be used as C-source. Ammonium salts (ammonium chloride, ammonium sulphate, ammonium nitrate, ammonium phosphate), aminoacids (aspartic acid, glutamine, cystine, alanine) and other nitrogen contg. substances can be used as N-source. Other substances, accelerating prodn. of (I) and/or (II) may be added to the culture fluid as necessary. Cultivation is pref. carried out at 20-40 deg. C, pH 7, for 3-15 days, by shaking or aerobic culture. Conc. of (I) or (II) may reach a maximum. (I) and (II) can be isolated from culture fluid by combination of filtration, adsorption chromatography, thin-layer chromatography etc..
- USE/ADVANTAGE - (I) and (II) are known and methods to isolate them are already reported. By cultivation of the new microorganism, *Streptovercillium* sp. K-251 (III), a mixt. of (I) and (II) is obtcd., and then (I) and (II) are isolated from culture fluid.

IW - FERMENTATION PREPARATION ISO FLAVONE DERIVATIVE DAIDZEIN CULTURE STREPTOVERTICILLIUM SPECIES  
 IKW - FERMENTATION PREPARATION ISO FLAVONE DERIVATIVE DAIDZEIN CULTURE STREPTOVERTICILLIUM SPECIES

NC - 001

OPD - 1984-03-22

ORD - 1985-10-08

PAW - (KYOW) KYOWA HAKKO KOGYO KK

TI - Fermentative prepn. of iso-flavone derivs. daidzein and tectorigenin - by culturing *streptovercillium* Sp. K-251